3M General Offices

3M Center
St. Paul, Minnesota 55144-1000
612/733 1110

02-48
3356

Industrial Hygiene

AUG 16 1989

Duns No.: 00-617-3082

MATERIAL SAFETY
DATA SHEET

3M

DIVISION: DOCUMENT SYSTEMS
TRADE NAME:
  3M Brand Type 252 Developer Premix
3M I.D. NUMBER: 78-6969-5974-7

ISSUED: APRIL 19, 1989
SUPERSEDES: JANUARY 31, 1989
DOCUMENT: 11-0303-5

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE LIMITS VALUE	UNIT	TYPE	AUTH
Carrier (Iron)	7439-89-6	90.0 - 98.0	NONE	NONE	NONE	NONE
Styrene acrylate resin	25767-47-9	2.0 - 6.0	NONE	NONE	NONE	NONE
C.I.Solvent Black 7	8005-02-5	0.1 - 0.6	NONE	NONE	NONE	NONE
Resin	58353-09-6	0.1 - 0.6	NONE	NONE	NONE	NONE
Carbon Black	1333-86-4	0.1 - 0.5	3.5	mg/m3	TWA	ACGIH
Wax	9003-07-0	0.1 - 0.5	NONE	NONE	NONE	NONE

SOURCE OF EXPOSURE LIMIT DATA:
- ACGIH: American Conference of Governmental Industrial Hygienists
- NONE: None Established

2. PHYSICAL DATA

BOILING POINT:................ N/A
VAPOR PRESSURE:............... N/A
VAPOR DENSITY: .... N/A
EVAPORATION RATE:............ N/A
SOLUBILITY IN WATER: .... Insoluble
SP. GRAVITY:................. 3.0
PERCENT VOLATILE: .... N/A
VOLATILE ORGANICS: .... N/D
pH: .... N/A
VISCOSITY: .... N/A
APPEARANCE AND ODOR: Fine Black Powder, No Odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:................. N/A
FLAMMABLE LIMITS - LEL: ..... N/A
FLAMMABLE LIMITS - UEL: ..... N/A
AUTOIGNITION TEMPERATURE: ... N/D
EXTINGUISHING MEDIA:
  Water, Foam, CO2, Dry Chemical
SPECIAL FIRE FIGHTING PROCEDURES:
  Not flammable or combustible but will burn if ignited.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
  None under normal storage and usage conditions.
NFPA-HAZARD-CODES: HEALTH 1 FIRE 1 REACTIVITY 0
UNUSUAL REACTION HAZARD: None

4. REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY - MATERIALS TO AVOID:
  None in normal handling and use.
HAZARDOUS POLYMERIZATION: Will Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:
  None determined.

Abbreviations: N/D - Not Determined N/A - Not Applicable

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5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:
Collect spill with shovel, scoop or vacuum. Vacuum up residue.

RECOMMENDED DISPOSAL:
Generally waste can be disposed in a sanitary landfill. Since
regulations very, consult applicable regulations or authorities
before disposal.

ENVIRONMENTAL DATA:
None determined.

SARA HAZARD CLASS:
FIRE HAZARD: No PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes

6. SUGGESTED FIRST AID

EYE CONTACT:
Flush eyes with water.

SKIN CONTACT:
None normally required.

INHALATION:
Move to fresh air if symptoms occur.

IF SWALLOWED:
None normally required.

OTHER FIRST AID:
NONE

7. PRECAUTIONARY INFORMATION

Avoid eye contact. Avoid prolonged breathing of dust. Store in a
cool, dry place.

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	---- EXPOSURE	LIMITS -----		
	VALUE	UNIT	TYPE	AUTH
Carbon Black	3.5	mg/m3	TWA	OSHA

SOURCE OF EXPOSURE LIMIT DATA:
- OSHA: Occupational Safety and Health Administration

8. HEALTH HAZARD DATA

EYE CONTACT: Dust may cause mechanical irritation of the eyes.

SKIN CONTACT: No adverse health effects are expected.

INHALATION: Dust may cause upper respiratory system irritations.

Abbreviations: N/D - Not Determined N/A - Not Applicable

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8. HEALTH HAZARD DATA   (continued)

Long term inhalation of dust may cause siderofibrosis, bronchitis and benign pneumoconiosis.

INGESTION: No adverse health effects are expected.

ADDITIONAL EXPOSURE LIMITS: Carbon Black 3.5 mg/m3 TWA (OSHA)

SECTION CHANGE DATES •

INGREDIENTS   SECTION CHANGED SINCE   JANUARY 31, 1989 ISSUE

Abbreviations: N/D - Not Determined N/A - Not Applicable